

Measurement: Measure Length with Non-Standard Units

Aim: Measure and begin to record lengths and heights. To measure length using non-standard units.	Success Criteria: I can accurately measure length using different non-standard units. I can record my measurements.	Resources: Lesson Pack Lollipop sticks Paper clips Interlocking cubes
	Key/New Words: Measure, length, long, longer, longest, short, shorter, shortest, accurately, non-standard units, estimate.	Preparation: How Long? Activity Sheets – one per child Diving into Mastery Activity Cards – as required

Prior Learning: It will be helpful if children can compare lengths using 'longer' and 'shorter' as covered in [Length Comparisons](#).

Learning Sequence

	Remember It: Using the Lesson Presentation , children review their understanding of length comparisons using the vocabulary 'longer' and 'shorter'.	
	Measure It: Using the Lesson Presentation , introduce children to measuring the length of objects using non-standard units. Look at how the units are lined up with the beginning and end of the object being measured and that all the units are the same size, with no gaps between them.	
	Using Different Units: The Lesson Presentation now shows children how different units can be used to measure objects. Encourage children to think about what would be a good unit to measure something small and what would be a good unit to measure something long.	
	How Long? Children complete the differentiated How Long? Activity Sheets by recording the measurements of objects on their sheet. After the children have completed the activity sheets, they would benefit from having experience measuring real objects in the classroom using non-standard units. Can the children accurately measure and record length using various non-standard units?	
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Children are given a selection of objects to measure using the cut-out cubes.</p> </div> <div style="text-align: center;"> <p>Children are given a selection of objects to measure using either cut-out lollipop sticks or paper clips. They can then explore what happens when you measure a long image with a small unit.</p> </div> <div style="text-align: center;"> <p>Children select the appropriate unit of measurement (from the options provided) to measure the pictures on their sheet with.</p> </div> </div>	
	Diving into Mastery: Schools using a mastery approach may prefer to use the following as an alternative activity. These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.	
	Children learn to measure length using non-standard units of measure.	
	Children use their understanding to explain mistakes shown in measuring the lengths of objects.	
	Children use their understanding of measuring with non-standard units to solve a problem.	



True or False? Children reason about whether a piano has been measured accurately on the **Lesson Presentation**. This should prompt a discussion about the fact that when using a unit to measure something, units need to be the same size and lined up with no gaps.



Exploreit

Measureit: Children explore measuring various objects accurately using a wide range of non-standard units.